

Figure 1c. Content Matching Server

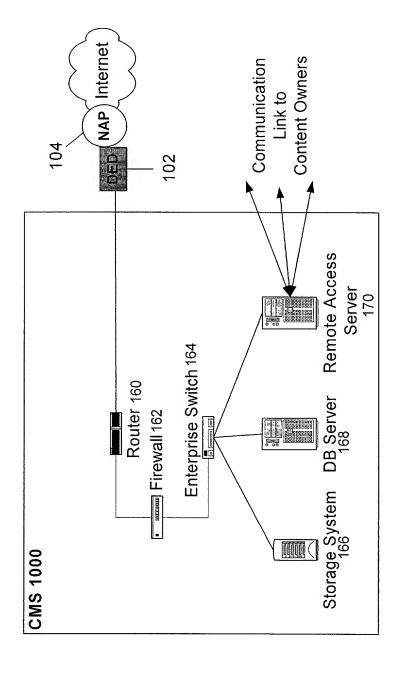
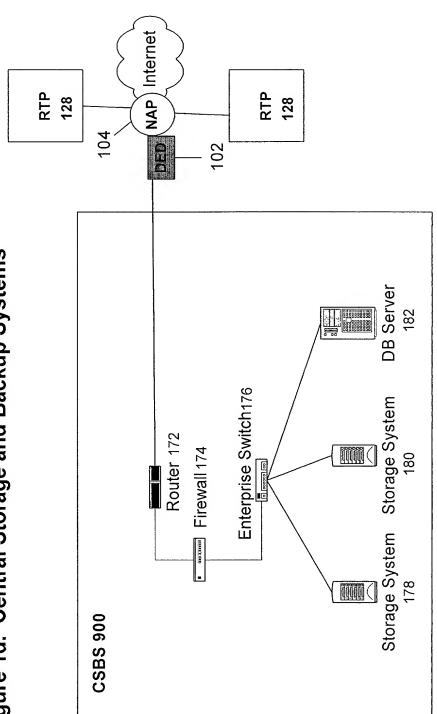
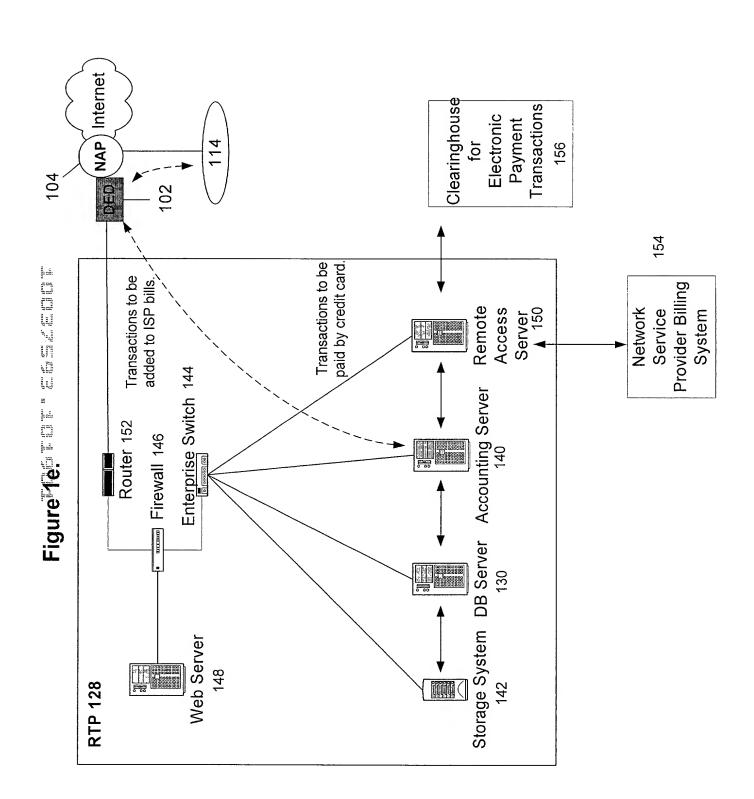
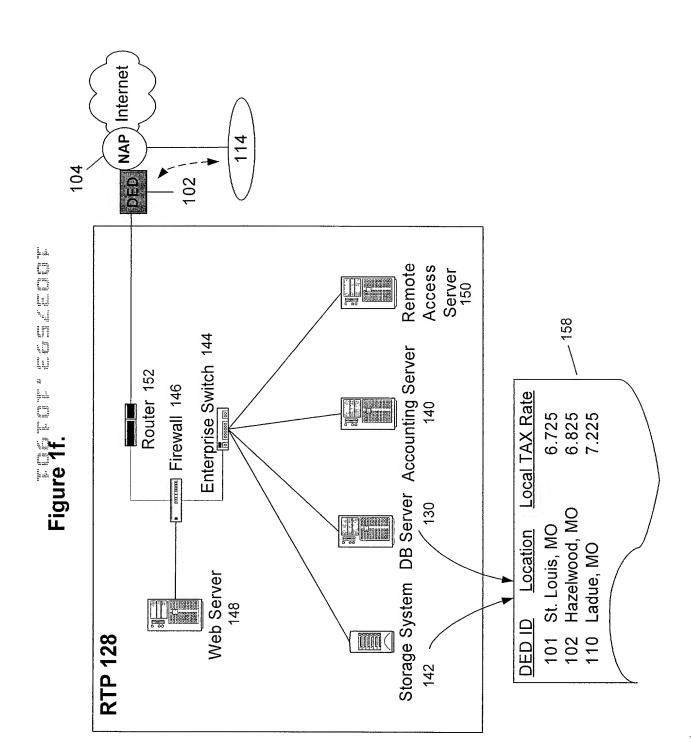


Figure 1d. Central Storage and Backup Systems





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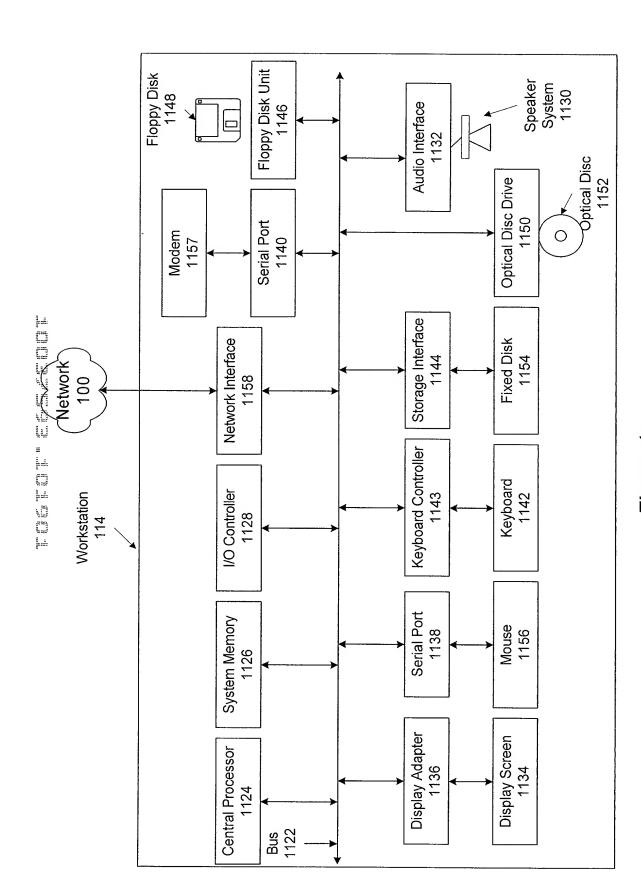
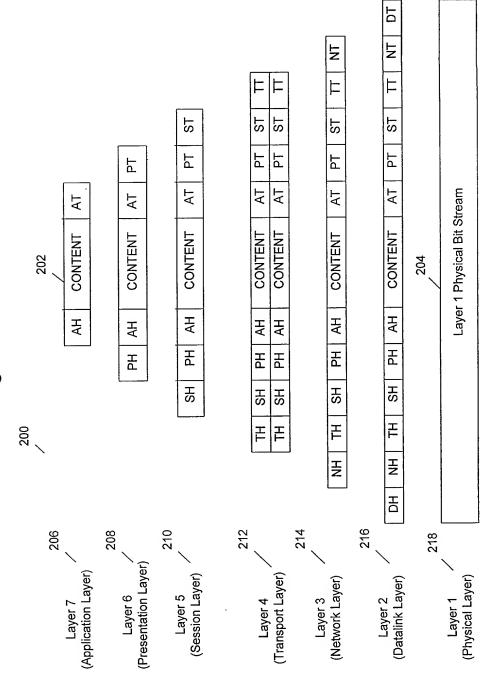


Figure 1g

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Figure 2a



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Figure 2b. Layered Data Encapsulation Process

202 Content

> TCP, UDP or other Layer 4 Protocol

Content Header Layer 4

Content

IP, IPX or other Layer 3 Protocol

Layer 3 Layer 4 Header Header

Content

Layer 3 | Layer 4

Header

Header

Layer 2 Header

Ethernet or other Layer 2 Protocol

SONET, ATM,

Layer 2 Trailer

Layer 1 Physical Bit Stream

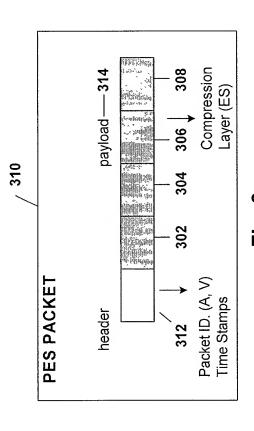


Fig. 3a

320

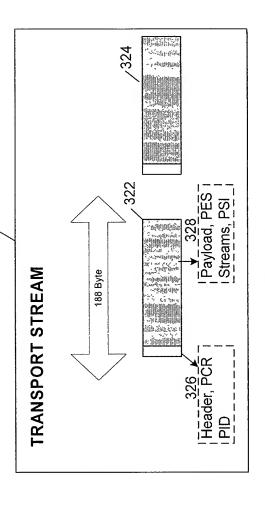
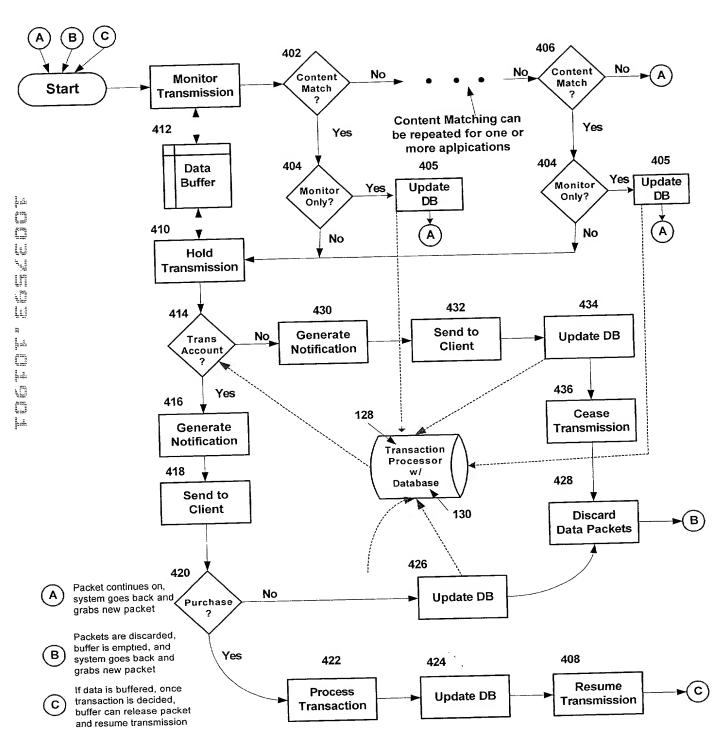
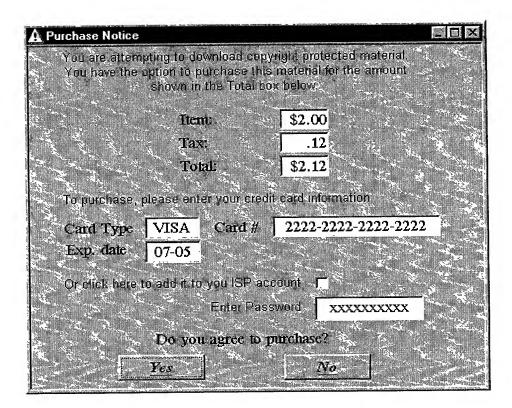


Fig. 3b



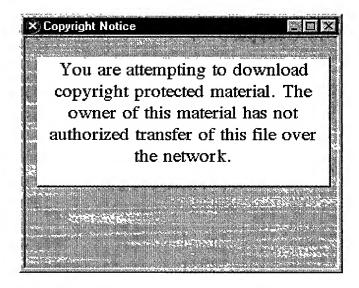
### Figure 4b



# Figure 4c

A Purchase Notice			×
		opyright protected material. this material for the amount I box below.	
	Henr	\$2.00	
Street 27 and 27	Tax: Total:	12 \  \  \] \  \  \  \  \  \  \  \  \  \  \  \  \	
To purchase, I	olease enter your c	redit card information	
Card Type Card #	VISA 2222-222		
Exp. date	07-05		
	Do you agree t	o purchase?	
	En 15 de la constant	<u>430</u>	

## Figure 4d



### Figure 4e

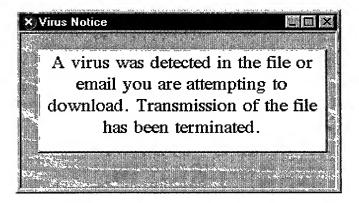
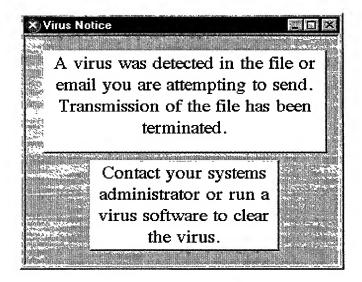


Figure 4f



#### Figure 4g

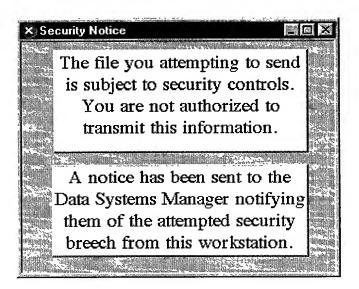


Figure 4h

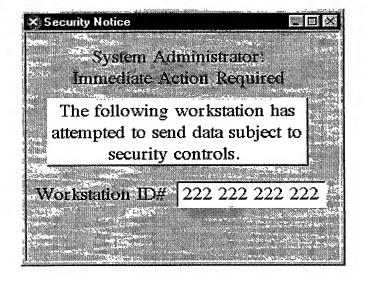
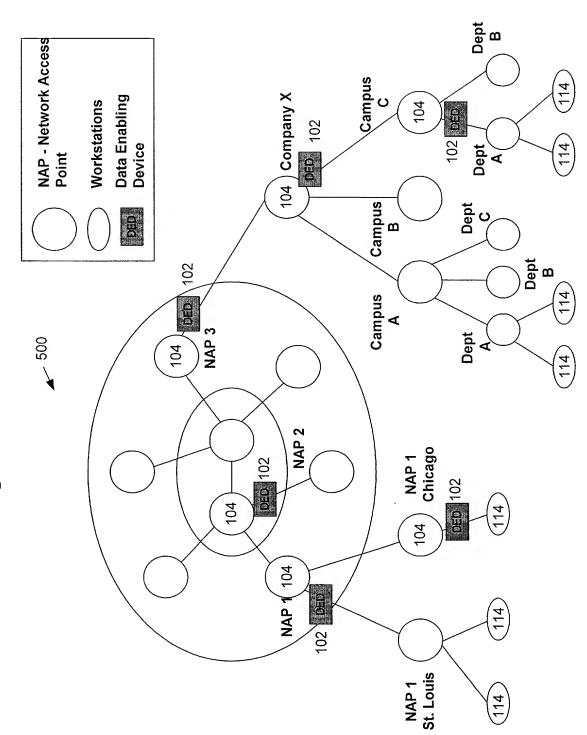


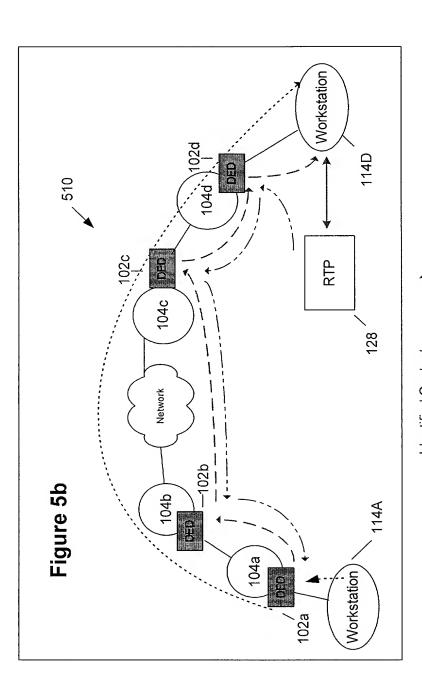
Figure 4i

A Retail Purchase N	lotice							
Your ord	er has l	neen rece	ved. Pl	ease verify				
	the a	unount b	elow.					
	Item:		\$20.00					
	Tax:		1.20					
	Ship	pping:	5.00					
Carrier Control	Tot	al:	\$26.20					
To purchase, p	To purchase, please enter your credit card information							
Card Type	VISA	Card#	2222-2	222-2222-2222				
Exp. date	07-05							
	Or click here to add it to you ISP account.							
		Enter Passv	vord:	XXXXXXXXX				
	Do you	agree to pi	uchase?					
	Ÿes		No					
dispersion and the second	1 P. A. L. W. W. W.							

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Figure 5a





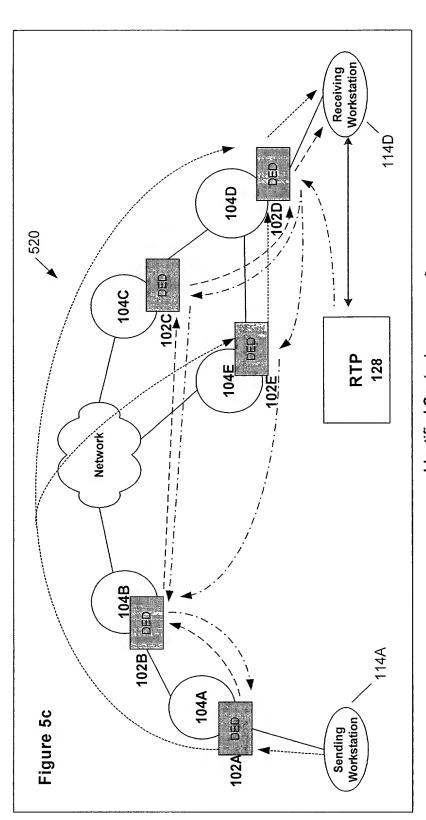
Identified Content ........→

Message ......→

Release\_Content .....→

or

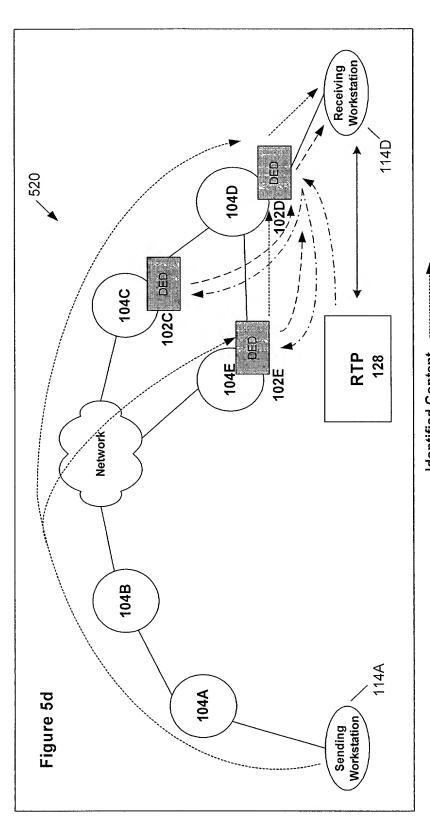
Cease\_Content



Identified Content

Message -----
Release\_Content

or Cease\_Content

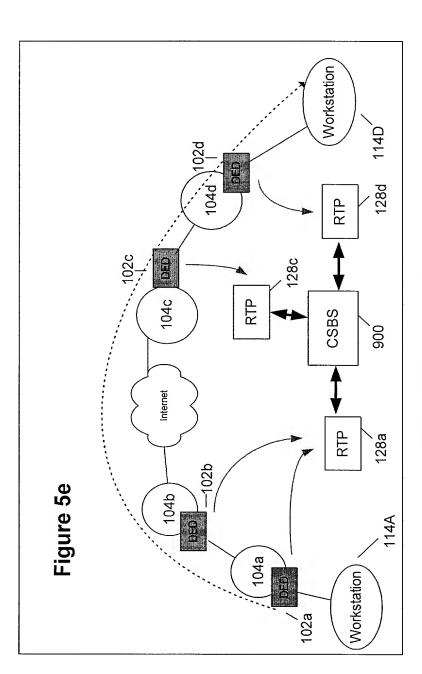


Identified Content

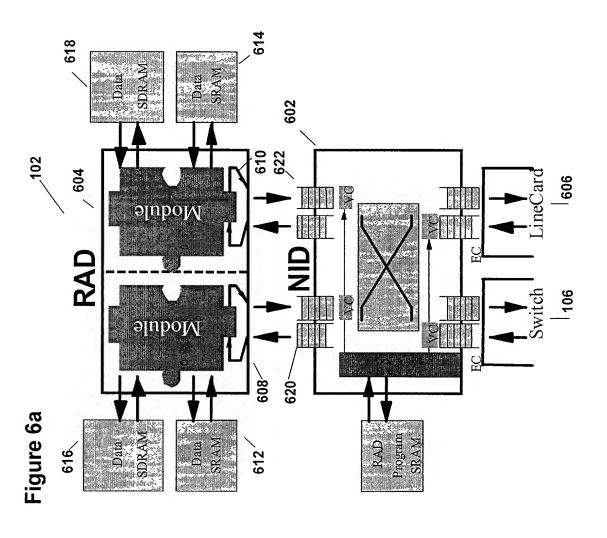
Message

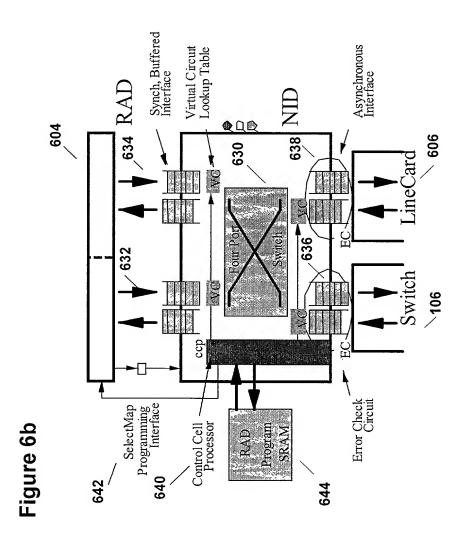
Release\_Content

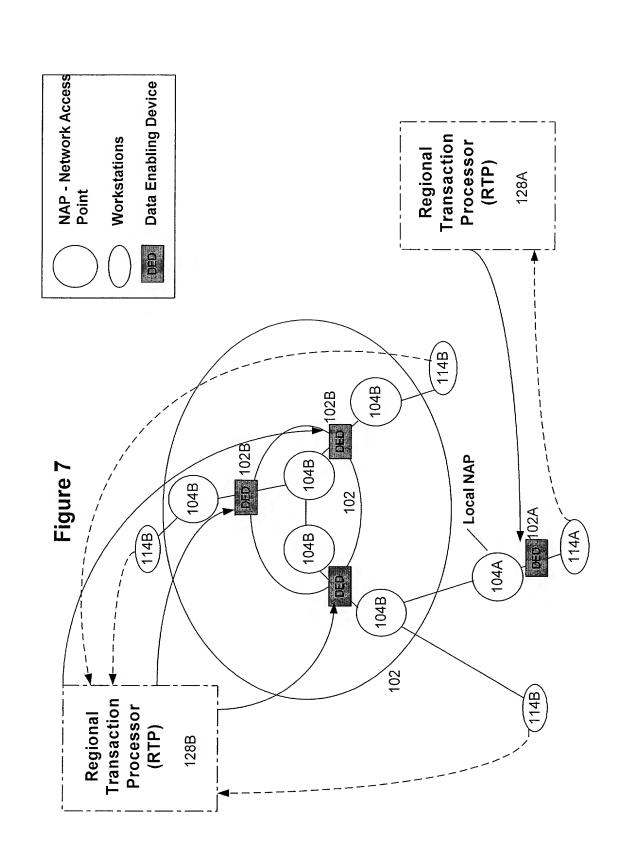
or Cease\_Content

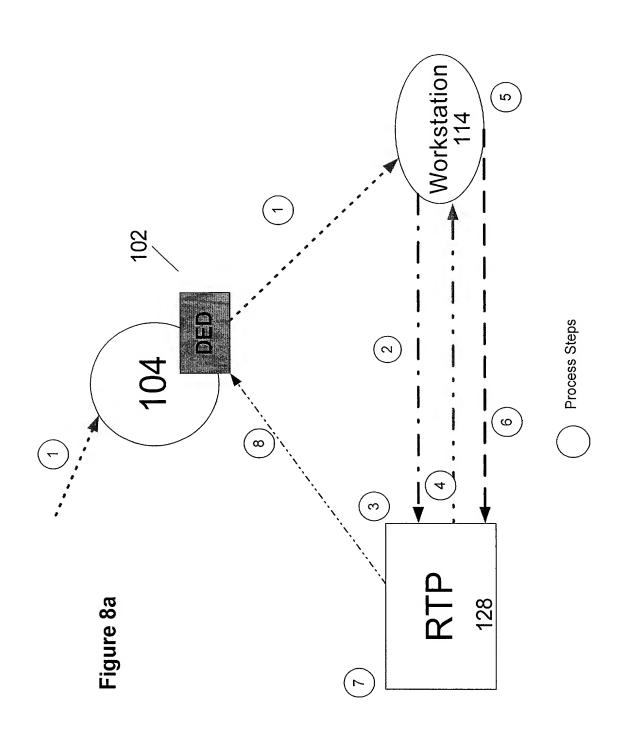


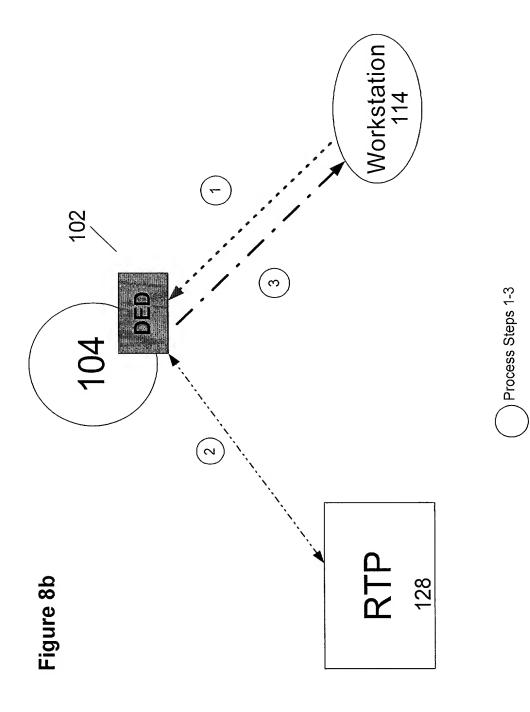
Identified Content ········→
Database Update ·······

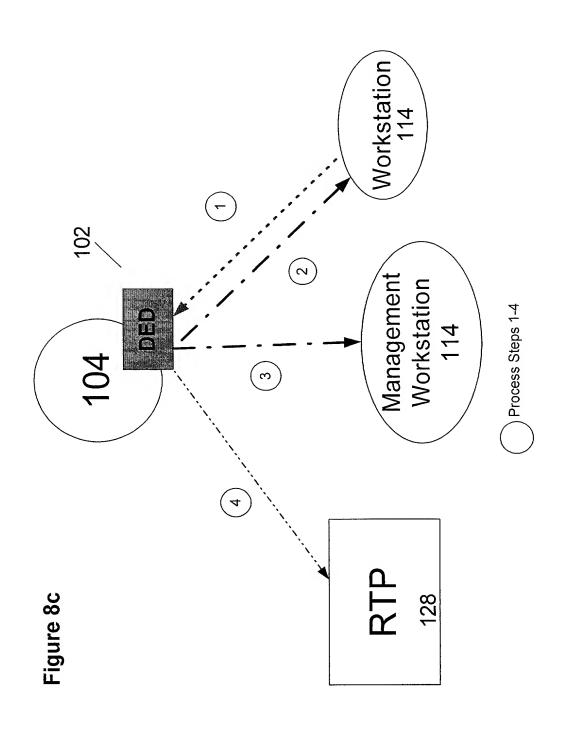


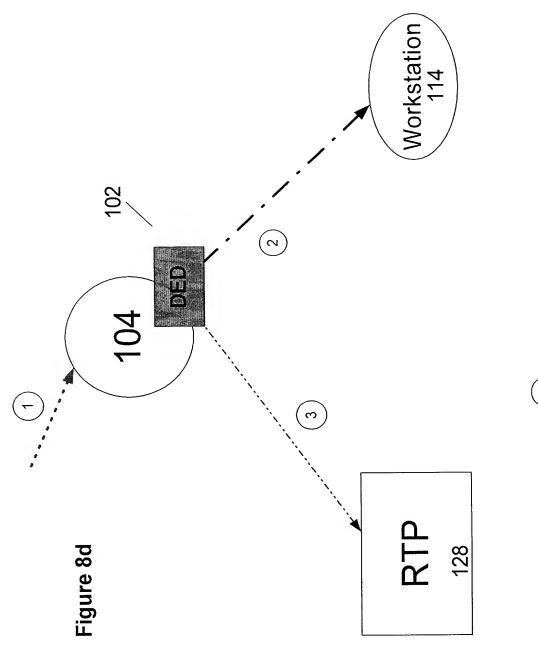




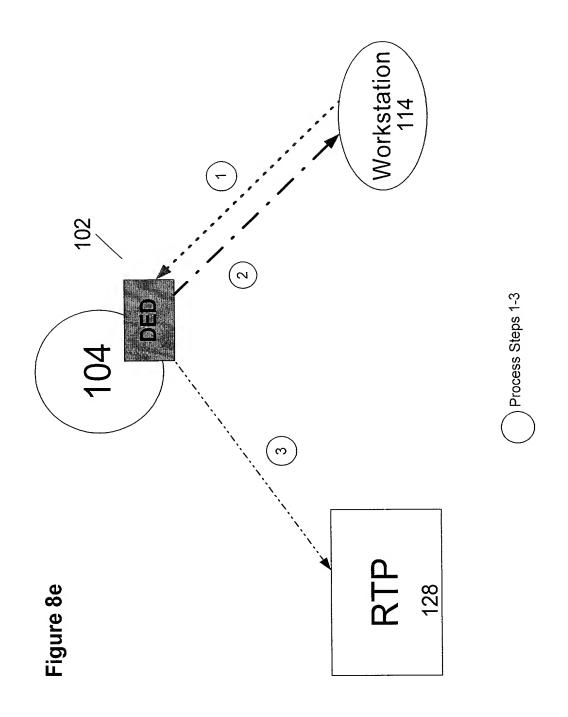




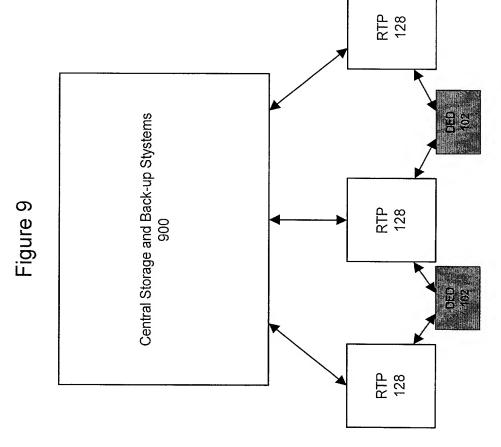




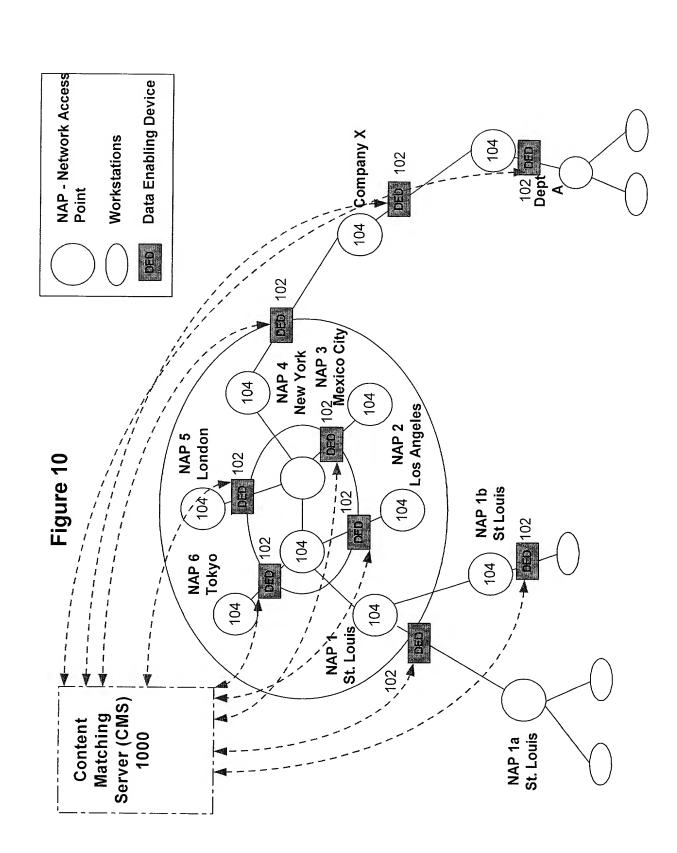
Process Steps 1-3

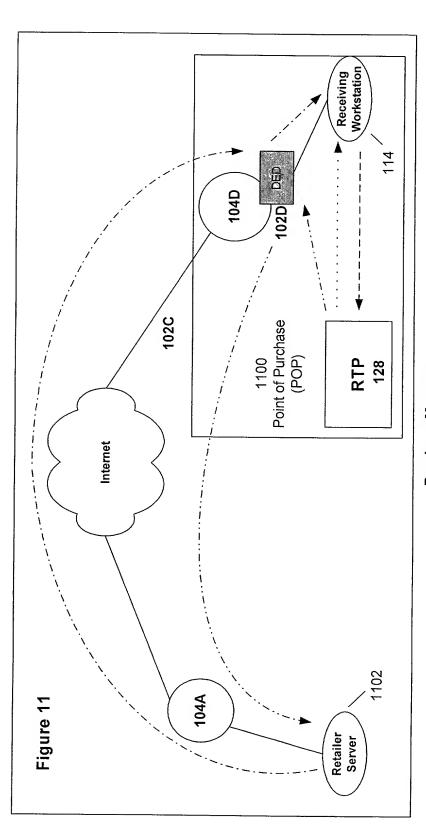


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Purchase Message ------►
RTP\_Prompt ------►
Workstation Prompt ····-►
Order Confirmation ------